

SS 7 - j62280230/pn - 2 Results  
print full ind 1-2 excl dups

\*\*\* PATENT GROUP \*\*\*

-1- (WPAT)

ACCESSION NUMBER	88-017938/03
SECONDARY ACCESSION	C88-008019
XRFX	N88-013301
TITLE	Reinforced double layer ion exchange diaphragm - has ion exchanger layer, tissue of reinforcing strand, laminated porous material layer and hydrophilic gas release layer on surface

DERWENT CLASSES	A88 D15 J01 P73
PATENT ASSIGNEE	(ASAG ) ASAHI GLASS CO LTD
PRIORITY	86.05.30 86JP-123668
NUMBERS	1 patent(s) 1 country(s)
PUBLICATION DETAILS	JP62280230 A 87.12.05 * (8803) 11p
APPLICATION DETAILS	86JP-123668 86.05.30
SECONDARY INT'L. CLASS.	B32B-005/24 C02F-001/42 C08J-005/22 C08J-009/00

ABSTRACT

JP62280230 A  
Diaphragm consists of (A) a layer of ion exchanger, (B) tissue of reinforcing strand, and (C) layer of porous material laminated in sequence and has total thickness 40-600 microns. The layer of porous material has pore size 0.05-30 micron, porosity 30 - 95%, thickness 10-250 micron, and Garle number 1-1,000. It has (D) a gas release layer on the surface and is internally hydrophilic.

(A) is composed pref. of a F-contg. cation exchanger with capacity 0.5-2.0 meq./g. It pref. has a porous layer consisting of hydrophilic particles or a gas release layer consisting of surface-roughened layer. It comprises pref. at least two kinds of layers of F-contg. polymer having sulpho-and/or carboxyl gps., the layer facing to the cathode having smallest water content, carboxyl gps., and thickness 20-200 microns.

(B) is pref. a fabric of F-contg. polymer strand or of mixed spinning or mixed weaving of F-contg. polymer strand and sacrificial strand having web density 5 to 100/inch. The F-contg. polymer strand is pref. 5-400 denier. (C) is composed pref. of F-contg. polymer. The hydrophilic layer inside the pores of (C) consists pref. of a coating layer of hydrophilic F-contg. polymer or a layer of hydrophilic particles bound with F-contg. polymer. (D) is pref. a porous layer consisting of hydrophilic particles or a roughened layer formed by roughening the surface of (C).

USE/ADVANTAGE - The diaphragm is used

for electrolytic diaphragm. It has high  
current efficiency and mechanical strength  
and low membrane resistance. (0/0)

SS 8 - j02800231/pn - 0 Results

SS 9 - j90800231/pn - 0 Results

TERM (J90800231/PN) NOT FOUND.

SS 9 RESULT (0)

WPAT (0)

JAPIO(0)

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